THE LATEST AIR SHIP to the line of a belt of woods 2,000 feet

AT LEAST ANOTHER STEP FORWARD.

Maxim, the Great American Inventor, Thinks He Has Solved the Problem Completely-It Lacks Some Perfections, However.

(London Correspondence.) MONG ALL THE scientific men have contributed to aerial navigation. Hiram Maxim, the inventor of the airship in question,

stands foremost. As the inventor of the Maxim gun.

and many other ingenious machines of less importance, he had won a world- cloth on steel frames, which are wide fame before the navigation of mounted, fore and aft, on the main the air became the chief object of his aeroplane. study and investigation.

Beginning life fifty-three years ago, with a common school education and a jack-knife, in Sangerville, Maine, he is now the proud possessor of a town house in London, and is lord of the chine rolled slowly out of the house. manor at Baldwyn's Park, a stretching and shortly stood vyon the track in the domain of hundreds of acres, which he leased five years ago as well adapted to his preliminary experiments.

Mr. Maxim is a man of medium height and solid build, his weight being 210 pounds. His hair, mustache and beard are white, but his mental and physical energy are astonishing, and go far to explain the variety and extent of the results he has achieved.

The work of inventing and constructing a flying machine, nearly every part of which, from boiler to connecting rods, is a variation from existing appliances, enforced by the necessities of the occasion, is one which could only be undertaken by a man of much ingenuity, equipped with an extraordinary practical knowledge of mechanics.

While he has a sturdy Americanism which personal interviews with half the reigning monarchs of Europe have pleasant conviction that of all the at the waist. spots on the map of the world, not one

distant.

On the platform, near the front end was a small boiler house in the shape, roughly speaking, of a truncated pyra mid, and ten feet behind it was a frame eleven feet high, on which were two sets of compound cylinders, and two big wooden screws above the two sides of the platform, and eighteen feet apart.

Outside of these fundamental accessories were a water tank, a naphtha tank and an indefinite number of rods and very small wire ropes, to give whose researches strength and compactness to the whole.

The many minor elements of the machinery did not at first catch the eye, but all appeared in interesting action when details were entered upon later on.

It should be noted that the machine, as it stood and as it appears in the accompanying pictures, was without the side planes, and the big rudders of

These are not used in the experimental trials, their utility having been established, as far as is possible, with out a practical test in the air.

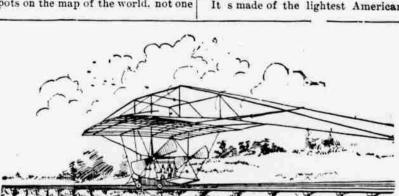
Pushed by the workmen, the mapark. It had completely filled the workshop from roof to floor: but here. with only the sky above it, seemed smaller and lighter.

The steam was hissing in the boiler; the big screws had made one or two preliminary revolutions, and a flight along the track was imminent. "Jump on board," shouted its owner, who stood at the boiler, conning half a dozen different gauges; and, climbing over an outlying rod like the outrigger of a canoe, I mounted the platform, which was of the lightest matched boards, so thin that they seemed in sufficient to bear a man's weight.

Prior to the start, a rope running to a dynamometer and post was attached behind to measure the forward impulse, or "push," of the screw.

Mr. Maxim turned on the steam, and the screw on the port side began to re, volve. It is 17 feet 11 inches in lengthnot in the least affected, he retains a 5 feet wide at the ends, and 22 inches

It s made of the lightest American



THE AIR-SHIP ON THE TRACK.

is so important or agreeable to con-yellow pine, and painted a pale blue, template as the good old state of the paint having been sandpapered to

Upon arrival at Baldwyn's park. the proceedings began with an ap-negligible. petizing luncheon in a handsome dining-room though above the table steam power was increased until it was hung an ornament which was perfectly whirling on its seemingly frail framecalculated to entirely take away a work at a dizzying speed. Then steam visitor's appetite.

This was a model of the air-ship on the scale of an inch to the foot.

It was so strange an object that it made one oblivious of the fruit and indifferent to the coffee. By way of introduction and explanation, the inventor said:

"The principle I have worked on, generally speaking, is that of the kite. That large cloth frame at the top of the model is the aeroplane, or main kite surface.

'The lesser aeroplane above the platform, or car: the side aeroplanes, or wings; and the flat-pointed rudders, fore and aft, are designed to furnish

additional kite surface. "It is necessary to make it, however, so that we can run it in a calm, against the air, thus making our own wind, as it were; and for this purpose I have a railway track, and instead of cords to hold the kite against the wind. I employ a pair of powerful screw propellers driven by a steam engine.

"In this manner I can drive the machine exactly as I please, can ascertain exactly how much the push of the screw is, and at the same time find out exactly how much the machine lifts at | in much less time than it takes to tell

different speeds. "The machine is, in fact, a big kite. "Should I fly it in the air with a cord during a strong gale and then run my engines, I should be able to find out how fast they would have to run in order to take all the pull off the cord. As soon as the cord became slack, the machine would be flying with its own

engine power."
To more clearly illustrate his mean ing, Mr. Maxim led the way to the workshop in the grounds-a large and substantial bird cage, sixty feet wide and fifty high, in which the mechanical bird had been constructed, and stood

perfect smoothness, reducing the skin friction to a point at which it became

It revolved faster and faster as the was shut off: it came quickly to a standstill and its fellow on the other side was tried.

All working smoothly, both screws began to turn faster and faster and faster, until the eye began to lose the blades and retain only the sense of two whirling discs.

The action of the screws at high speed caused remarkably little shaking of the whole machine.

This is one of the surprises of the invention, the tremendous force exerted as compared with the lightness, steadiness and compactness of the whole.

Behind the screws, forty feet away two men were squatting over the dynamometer, and indicating the degree of 'push" on a large index board for the

engineer to read. The index marked 400, 500, 600, 700, and, finally, 1,200 pounds of "push."

The pressure was then diminished below five hundred, and the command er yelled: "Let go!" A rope was pulled, the machine shot forward like a railway train, and, with the big wheels whirling, the steam hissing, and the waste pipes puffing and gurgling, flew over the 1,800 feet of track

It was stopped by a couple of ropes stretched across the track, working on capstans fitted with revolving fans. The stoppage was gentle, and the passenger breathed freely again, looking now upon the machine with more friendly and less fearful eye, as if it were a dangerous bulldog with which amicable relations had been established and fear of injury was over.

New Feline Species. Three cats of a species said to be un-known were discovered recently in the spire of a church at Brighton, Mass. The cats are covered with a coat of perched for one of its daily flights.

A railway track nine feet wide ran outward from the closed doors, and stretched indefinitely, in a straight line, across the green level of the park.

OUR WIT AND HUMOR.

SOME SAYINGS AND DOINGS BY THE SATIRISTS,

Suitable Position, Or How Lazy Man Secured a Good Job-At Dempsey's Wedding-How a Brilliant Scheme Miscarried.

Wildly Improbable. Publisher-No, madame, your novel won't do. The plot is too absurdly in probable.

Authoress-Improbable? It is a story of every-day life in a college town.

"Look at this. The hero is a college man who plays football. Within a week after a game he meets the heroine and proposes to her-proposes to her on his knees.'

"Well?"

"Well, who ever heard of a football player able to bend his knees within a week after a game?"

A Suitable Position



Scraggy Scraggs-Hello, Fatty! You look all kinder spruced up.

Fatty Loders-Yes: gotter job in 'r coal yard.

Scraggy Scraggs-Heavens! Youse ain't workin'?

Fatty Loders-Not exactly. I sit on th' waggin while the coal's gittin'

Money Saved is Money Earned. Wife-You must take me to the opera to-morrow night. Now, you needn't say that times are hard and money scarce, and all that. Everybody else goes, and I'm going-so there!

Husband (a smart man)-Of course we'll go. I saw the new prima-donna on the street to-day-the most entrancingly beautiful creature heaven ever made. Such eyes! Such hair! Such perfect features! I wouldn't miss the opera for the world! Money is very scarce, though.

Wife-If money is scarce, why didn't you say so before? Never mind the opera. We'll go to the Old Ladies' Dime sociable instead.

A Fender-Hearted Girl. Mother-Are you sure that girl will make you a good wife?

Son-Sure? Absolutely certain. She is the most kindly, generous, considerate, tender-hearted girl I ever met in my life. "I am delighted to hear that. How

did you find it out?" "By asking her for kisses."

An Urgent Case.

Lady-Doctor, I wish you would call around to see my husband some evening when he's at home. Do not let him know that I asked you, because he declares he is not sick; but I know he has consumption, or something.

Doctor-I am astonished, but I will

He's going into a decline.

call. What are his symptoms? "He hasn't any except weakness. He used to hold me on his lap by the hour, and now even the baby tires

Satisfactorily Proven.



Monahan-Phwat's the throuble e've been in, Horgan? Horgan-Oi wor at Dempsey's weddin', begorra!

Monahan-An' ye had a ruction there, Oi sippose?

Horgan-Faith we had! They tould me Casey was the best man; an', av coorse, that was more than Oi cud shtand;-but, begob, he was!

Good in Things Evil

Book Agent—Only a moment, sir. I wish to show you the latest and best, most finely illustrated, handsomest bound edition of "Poems of All Ages," complete in twenty-seven-

Old Gentleman-I am blind, thank

Why He Lacked Style. Housekeeper - Now, you just get

Tramp-You shouldn't judge of me by me disheveled appearance, mum. I came to town in a sleeping-car and

A Hint.

neglected to fee the porter, mum.

Mother-I can't have that young man staying here so late at night. You must give him a hint of some

Daughter (in the evening-I am very much afraid something will happen to you on the streets at night. You must be more careful of yourself, and not be out so late. If anything should happen to you, I'd-I'd die.

They are engaged now.

Burglars Are Good Judges.

Mrs. Skimpps-This part of town is miserably policed. I can scarcely sleep nights, for fear that burglars will get at our spoons.

Mrs. Pimpps-Yes. it would be really annoying to come down some morning and find them all broken.

Progressing Slowly.

George-How does your suit with Miss Beautie progress? Jack-I am pursuing a waiting policy.

"Yes. I'm waiting for her to-erchange her mind."

Money Saved. But-

Algy (counting the cost)-Do youer-always take a chaperon along when you go to the theater?

Miss De Pink-My, no! never, unless I go with a man. Two seats will be plenty.

Not Easily Dissuaded. Little Johnny-Mamma, won't you

get me a double-ripper sled?

Mamma-I knew a little boy who had a sled of that kind, and the first time he used it he crushed three of his fingers so that they had to be taken off. How would you like that?

Little Johnny (anxious for the sled) -Well, I think it would be sort o' convenient not to have so many fingernails to keep clean.

Brilliant Scheme Miscarried



Proprietor of Patent Medicine-Ah! That's what I call advertising! Just wait till they get on the avenue



ON THE WAY TO THE AVENUE. (WEITING



ONE HOUR LATER

An Astute Policeman

Chicago Official-I have proof that you saw a man on the streets after one o'clock, and neglect d to question him. Policeman-No. but I followed him, saw him enter a house, and five minutes after heard a shrill female voice giving him hail Columbia for being out so late, and so I knew he was a respectable citizen.

Why Cigarettes Kill.

Mrs. Mulhooly-Th' papers do be always talkin' about cigarette smokin'. Phwy is eigarettes so bad fur th' healt? Mr. Mulhooly (after a meditative puff at his pipe)-There ain't enough terbacky in 'em.

Pretty Well Hardened.

Old Lady-Dear me! Won't your children catch their death of cold playing around bareheaded this kind of weather?

Proud Mother-Niver you fear fur thim, mum. It's hardened they are. Before Moike lost his money on that sewer contract, we used to live in a steam heated flat.

In His Shoe.

Little Boy-I found out what it was in my shoe that was hurtin' my foot. Mother-What was it? Little Boy-A corn.

No Interruptions Likely.

Tired Housekeeper-There! house is as neat as a new pin at last. The I am going to take a nap. Try not to disturb me with your play, my pets. Little Brother-What shall I do it any one calls?

Little Sister-No need to bother about that. No one ever calls when things are clean.

A number one cough cure. Mr. Jas. H Barnet, 243 Cedar St., Buffalo, N. Y. writes thus: "I am using Dr. Bull's Cough Syrup in my family and deem it a number one medicine for coughs and colds, and my house shall never be without it."

Jison says he has noticed that when a discrect man goes to a pawnbroker's he generally puts up and shuts up.

It is by all odds the best liniment. Mr. Chas. Metzger, 217 Geyer ave., St. Louis, Mo., is of the same opinion. He says: "Salvation Oil is the best remedy we have ever used in our family. It is the best remedy on earth."

About the first thing a wild young law-ver proceeds to do is to dissolve the in-junctions of his father.

160 World's Fair Photos for \$1.

These beautiful pictures are now ready for delivery in ten complete parts-16 pictors comprising each part—and the whole set can be secured by the payment of one dollar, sent to Geo. H. Heafford. General Passenger Agent. Chicago, Milwankee & St. Paul Railway, Chicago, Ill., and the portfolios of pictures will be sent, free of expense, by mail to subscribers.

Remittenees, should, he made by destermine the sent of the se Remittances should be made by draft,

"Lend me \$10." "I told you yesterday that I was broke." "Yes. I know; but I'd just as soon borrow from a liar as anybody else."

money order, or registered letter.



Like Morning Dew Hood's Sarsaparilla Fresh

ens, Strengthens, Cures Heart Palpitation - Distress in the

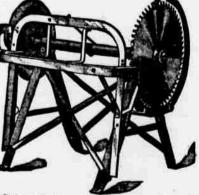
Stomach-That Tired Feeling. "I am giad to state that Hood's Sarsaparilla has done me lots of good. I was subject to cramps in the stomach, liver complaint, indigestion, palpitation of the heart, and that tired feeling. Two years ago I gave Hood's Barsaparilla a trial. I have not been without a supply of it from that time. It relieved me wonderfully, and now when I feel the least uncasiness I resort to Hood's Sarsaparilla, and it always gives me immediate relief. I could not do without it, and several of my neighbors have used it upon my recommendation and found it

An Excellent Medicine, Doing them good after all other medicine failed. I am also highly pleased with the

effects of Hood's Pills. As morning dew refreshes ood's spile Cures withered grass, so Hood's Sarsaparilla and Pills

refresh the human body of ills and pains." HARRIET M. STOVER, Versailles, Missouri. Hood's Pills are the best family cathartis,





Asthma Specific Co